

**Notice of Intent to Apply for Coverage Under MS4 General Permit  
WPDES Permit No. WI-S050075**

Form 3400-NNN (R 2/06)

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NOTICE: This application form is authorized by section 283.37, Wis. Stats., and Chapters NR 151 and 216, Wis. Adm. Code. Personally identifiable information on this form may be used for other program purposes and may be made available to requestors under Wisconsin's Public Records laws and be posted on the Department's internet site.

**Instructions:** Complete the following for all permit applications. If additional space is needed to respond to a question, attach additional pages. Provide descriptions below that explain the program activities that you expect to develop and implement to comply with the Municipal Separate Storm Sewer System (MS4) general permit (<http://dnr.wi.gov/org/water/wm/nps/stormwater/muni.htm>). Section 3 of the MS4 general permit contains the compliance schedules that direct when the individual program activities need to be developed and submitted to the Department for review. The detailed programs that are developed and submitted to the Department for review may deviate from the program activities described below if necessary. The descriptions provided below are necessary for the Department to verify that the municipality's program activities comply with the permit.

**Section I: Applicant Information**

Name of Municipality  
**Racine County**

Mailing Address  
**14200 Washington Av.**

City  
**Sturtevant**

State  
**WI**

Postal Code  
**53177**

County(s) in which Applicant is located  
**Racine**

Type of Municipality: (check one)

☒ County ☐ City ☐ Village ☐ Town ☐ Other (specify)

**Section II: Local Contact Information (check one):**

Name of Municipal Contact Person  
**Cecil F. Mehring Jr., P.E.**

Title  
**Manager of Planning and  
Engineering Services**

Mailing Address  
**14200 Washington Av.**

City  
**Sturtevant**

State  
**WI**

Postal Code  
**53177**

E-mail address  
**cecil.mehring@goracine.org**

Telephone Number (include area code)  
**(262) 886-8440**

Fax Number (include area code)  
**(262) 886-8480**

**Section III: Water Quality Concerns**

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Does any part of the MS4 discharge to an outstanding resource water (ORW) or exceptional resource water (ERW) listed under s. NR 102.10 or 102.11, Wis. Adm. Code? (An unofficial list of ORWs and ERWs may be found on the Department's Internet site at: <a href="http://dnr.wi.gov/org/water/wm/wqs/">http://dnr.wi.gov/org/water/wm/wqs/</a> )
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Does any part of the MS4 discharge to an impaired waterbody listed in accordance with section 303(d)(1) of the federal Clean Water Act, 33 USC § 1313(d)(1)(C)? (A list of Wisconsin impaired waterbodies may be found on the Department's Internet site at: <a href="http://dnr.wi.gov/org/water/wm/wqs/303d/303d.html">http://dnr.wi.gov/org/water/wm/wqs/303d/303d.html</a> )

**Section IV: Area and Population Within the MS4**

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is the MS4 within an "Urbanized Area" as defined by U.S. EPA? (See <a href="http://www.epa.gov/npdes/pubs/fact2-2.pdf">http://www.epa.gov/npdes/pubs/fact2-2.pdf</a> )

If no, skip the rest of this section and continue to Section V. If yes, estimate the area served by and the population within the MS4 in an Urbanized Area (UA).

(Urbanized Area maps are available on the EPA web site at: <http://cfpub1.epa.gov/npdes/stormwater/urbanmaps.cfm>)

Total municipal area (in square miles): 45.856	Total municipal population (in year 2000): 129,545
MS4 service area within Urbanized Area (in square miles): 1.1 square miles	Municipal population within Urbanized Area (in year 2000): Population is contained within other municipal areas.

**Section V: Potential Permit Exemption**

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Section NR 216.023, Wis. Adm. Code, allows certain MS4s that have less than 1000 people residing in an urbanized area to be waived from having to obtain municipal storm water permit coverage.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Do you believe that the MS4 may be eligible for this potential exemption?

## **Section VI: Summary of Municipal Storm Water Program Activities**

Describe the programs or activities the municipality is doing or will do to comply with the requirements of the MS4 general permit. Attach additional pages if necessary.

### **A. Public Education and Outreach**

Describe the public education and outreach program activities that the municipality will implement to comply with section 2.1 of the MS4 general permit.

#### **2.1 Public Education and Outreach**

Racine County shall implement a public education and outreach program to increase the awareness of storm water pollution impacts on waters of the state to encourage changes in public behavior to reduce such impacts. This will be accomplished through the creation of a new section on the Countys official website. The program shall establish measurable goals and, at a minimum, include the following elements:

2.1.1 Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.

2.1.2 Inform and educate the public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices.

2.1.3 Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.

2.1.4 Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.

2.1.5 Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks.

2.1.6 Inform and where appropriate educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices.

2.1.7 Identify businesses and activities that may pose a storm water contamination concern, and where appropriate, educate specific audiences on methods of storm water pollution prevention.

2.1.8 Promote environmentally sensitive land development designs by developers and designers.

### **B. Public Involvement and Participation**

Describe the public involvement and participation program activities that the municipality will promote to comply with section 2.2 of the MS4 general permit.

#### **2.2 Public Involvement and Participation**

Racine County shall implement a program to notify the public of activities required by this permit and to encourage input and participation from the public regarding these activities. This will be accomplished through the use of the County' s official website, through public notices in the newspaper, and through the designation of a County representative to interact with the public regarding these matters . This program shall include measurable goals for public involvement and participation and comply with applicable state and local public notice requirements.

### **C. Illicit Discharge Detection & Elimination**

Describe the illicit discharge detection and elimination program authority and activities that the municipality will develop and implement to comply with section 2.3 of the MS4 general permit.

#### **2.3 Illicit Discharge Detection and Elimination**

Racine County shall develop, implement and enforce a program to detect and remove illicit

connections and discharges to the MS4. The program shall include measurable goals and include all of the following:

2.3.1 Racine County cannot adopt an ordinance or other regulatory mechanism to prevent and eliminate illicit discharges and connections to the MS4., but will report any illicit discharges and connections observed to the appropriate authority.

2.3.2 Racine County shall conduct an initial field screening at all major outfalls during dry weather periods. At a minimum, field screening shall be documented and include:

2.3.2.1 Visual Observation - A narrative description of visual observations including color, odor, turbidity, oil sheen or surface scum, flow rate and any other relevant observations regarding the potential presence of non-storm water discharges or illicit dumping.

2.3.2.2 Field Analysis - If flow is observed, a field analysis shall be conducted to determine the presence of illicit non-storm water discharges or illicit dumping. The field analysis shall include sampling for pH, total chlorine, total copper, total phenol and detergents, unless the permittee elects instead to use detergent, ammonia, potassium and fluoride as the indicator parameters. Other alternative indicator parameters may be authorized by the Department in writing. Note: Detergent, ammonia, potassium and fluoride indicator parameters provide a better screening tool to identify whether the flow is contaminated with sanitary or wastewater, and also whether the source is a tap water or a natural source of water. The Center for Watershed Protection (CWP) has illicit discharge identification and elimination guidance available at [http://www.cwp.org/idde\\_verify.htm](http://www.cwp.org/idde_verify.htm). The CWP guidance includes illicit discharge field sampling guidance developed by Robert Pitt from the University of Alabama on how best to detect illicit discharges including recommended indicator parameters and associated levels of detection.

2.3.2.2.1 Field screening points shall, where possible, be located downstream of any source of suspected illicit activity.

2.3.2.2.2 Field screening points shall be located where practicable at the farthest manhole or other accessible location downstream in the system. Safety of personnel and accessibility of the location shall be considered in making this determination.

2.3.3 Racine County shall conduct On-going dry weather field screening of outfalls during the term of the permit.

Outfalls that will be evaluated on an on-going basis and the field screening frequency shall be identified. Consideration shall be given to hydrological conditions, total drainage area of the site, population density of the site, traffic density, age of the structures or buildings in the area, history of the area and land use types. A description of this on-going field screening program shall be submitted to the Department in accordance with section 3.3.4.

2.3.4 Racine County shall establish procedures for responding to known or suspected illicit discharges. At a minimum, procedures shall be established for:

2.3.4.1 As soon as possible, investigating portions of the MS4 that, based on the results of field screening or other information, indicate a reasonable potential for containing illicit discharges or other sources of non-storm water

discharges.

2.3.4.2 Responding to spills that discharge into and/or from the MS4 including tracking and locating the source of the spill if unknown.

2.3.4.3 Preventing and containing spills that may discharge into or are already within the MS4.

2.3.4.4 Notifying the Department immediately in accordance with ch. NR 706, Wis. Adm. Code, in the event that the permittee identifies a spill or release of a hazardous substance, which has resulted or may result in the discharge of pollutants into waters of the state. The Department shall be notified via the 24-hour toll free spill hotline at 1-800-943-0003. The permittee shall cooperate with the Department in efforts to investigate and prevent such discharges from polluting waters of the state.

2.3.4.5 To the maximum extent practicable, eliminating leakage from sanitary conveyance systems into the MS4.

2.3.4.6 Providing the Department with advance notice of the time and location of dye testing within a MS4. (Because the dye may get reported to the Department as an illicit discharge or spill, the Department requires prior notification of dye testing.)

2.3.5 Racine County shall take appropriate action to remove illicit discharges from its MS4 system as soon as possible. If it will take more than 30 days to remove an illicit connection, the Department shall be contacted to discuss an appropriate action and/or timeframe for removal.

2.3.6 In the case of an illicit discharge that originates from the permittees permitted area and that discharges directly to a municipal separate storm sewer or property under the jurisdiction of another municipality, the permittee shall notify the affected municipality within one working day.

2.3.7 The name, title and phone number of the individual(s) responsible for responding to reports of illicit discharges and spills shall be included in the illicit discharge response procedure and submitted to the Department in accordance with section 3.3.2.

#### **D. Construction Site Pollution Control**

Describe the construction site pollutant control program authority and activities that the municipality will develop and implement to comply with section 2.4 of the MS4 general permit.

##### **2.4 Construction Site Pollutant Control**

Racine County shall develop, implement and enforce a program to reduce the discharge of sediment and construction materials from construction sites on County funded projects. The program shall establish measurable goals and include:

2.4.1 Racine County will follow local ordinances regulating erosion and sediment control at construction sites.

2.4.2 Procedures for construction site inspection and enforcement of erosion and sediment control measures. At a minimum, the procedures shall establish:

2.4.2.1 Municipal departments or staff responsible for construction site inspections and enforcement.

2.4.2.2 Construction site inspection frequency.

2.4.2.3 Construction site inspection documentation.

2.4.2.4 Enforcement mechanisms that will be used to obtain compliance.

2.4.3 Procedures for receipt and consideration of information submitted by the public.

### E. Post-Construction Site Storm Water Management

Describe the post-construction storm water management program authority and activities that the municipality will develop and implement to comply with section 2.5 of the MS4 general permit.

#### 2.5 Post-Construction Storm Water Management

Racine County shall develop, implement and enforce a program to control the quality of discharges from construction sites on County funded projects, after construction is completed. The program shall establish measurable goals and include:

2.5.1 Racine County will follow local ordinances regulating post-construction storm water discharges from new development and redevelopment.

2.5.2 Procedures that will be used by the permittee to ensure the long-term maintenance of storm water management facilities.

### F. Pollution Prevention

Describe the pollution prevention program activities that the municipality will implement to comply with section 2.6 of the MS4 general permit.

#### 2.6 Pollution Prevention

Racine County shall develop, implement and enforce a pollution prevention program. The program shall establish measurable goals for pollution prevention. The program shall include:

2.6.1 Routine inspection and maintenance of municipally owned or operated structural storm water management facilities to maintain their pollutant removal operating efficiency.

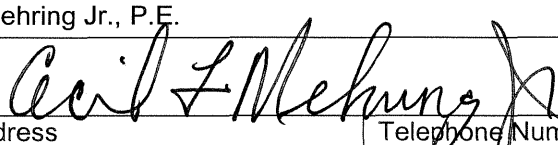
2.6.2 Routine street sweeping and cleaning of catch basins with sumps where appropriate.

2.6.3 Proper disposal of street sweeping and catch basin cleaning waste.

2.6.4 If road salt or other deicers are applied by the permittee, no more shall be applied than necessary to maintain public safety. Note: The DOT " Highway Maintenance Manual" , chapter 35, contains guidance on application of road salt and other deicers that can be used to determine whether not application is necessary and what application rate is appropriate for deicing and ice prevention. The Wisconsin Department of Transportation (DOT) highway salt storage requirements are contained in ch. Trans 277, Wis. Adm. Code.

### Section VII: Certification

Certification: I hereby certify that I am an authorized representative of the municipality that is the subject of this application for general permit coverage, and that the information provided is true and complete, to the best of my knowledge. I understand that Wisconsin law provides severe penalties for submitting false information.

Authorized Representative Name Cecil F. Mehring Jr., P.E.		Title Manager of Planning and Engineering Services
Signature 		Date Signed 05-30-06
E-mail address cecil.mehring@goracine.org	Telephone Number (include area code) (262) 886-8440	Fax Number (include area code) (262) 886-8480

Return this completed form to:

Wisconsin Department of Natural Resources  
Storm Water Program – WT/2  
PO Box 7921  
Madison, WI 53707-7921